

1632

RAW SEQUENCE LISTING

DATE: 07/18/2001

PATENT APPLICATION: US/09/437,450A

TIME: 15:51:16

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\07182001\I437450A.raw

ENTERED

3 <110> APPLICANT: FREEDMAN, JONATHAN H.
 4 LIAO, VIVIAN H.C.
 6 <120> TITLE OF INVENTION: STRESSOR REGULATOR GENE
 8 <130> FILE REFERENCE: 1579-315
 10 <140> CURRENT APPLICATION NUMBER: 09/437,450A
 11 <141> CURRENT FILING DATE: 1999-11-10
 13 <150> PRIOR APPLICATION NUMBER: 60/109,281
 14 <151> PRIOR FILING DATE: 1998-11-20
 16 <160> NUMBER OF SEQ ID NOS: 72
 18 <170> SOFTWARE: PatentIn Ver. 2.1
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 21 <211> LENGTH: 165
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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 30 tgttggtgtg tttattccct gacctatcca tattcccttc ttccaatct ctaaagatat 120
 31 acctgaaaac gagttttttg aatacttgat acatttgtct tcatc 165
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 37 <213> ORGANISM: Artificial Sequence
 39 <220> FEATURE:
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 44 ctttacgtgg taagatcctg aacgtcgaaa agcaatggaa cataagatct acgaaaatga 120
 45 ggagatcaaa aacatgttta cagctttggt ccta 154
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 49 <211> LENGTH: 264
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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 58 agatcttcaa tcaaaagctc ggtttcttgt tgttaaaaga ttccgcagga aaatgtctcc 120
 59 gagagtccgt gtcctcaaatt taaattctac gaggcgatca agaatacga gaaaatggag 180
 60 acaccagatg agcgattaac aaaagcacga gaaatttatc gatcatcata tacggttgaa 240
 61 ttccgtcgcg caatcgtcac actc 264
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 187
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial Sequence
 69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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73 aaatttttat taaaataaaa taaacatggt tttgttgata ttatagcggt aaagctgaaa 60
74 tgacaatgat tagaaaacca gcagagaata gagatgatgt tcctttcggt gttgtttcca 120
75 gtgaacactt gttgcggtgg agcccggtatt tagcgagtgg tagtttttga tgtgattggt 180
76 tccaatc 187
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 267
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
87 <400> SEQUENCE: 5
88 tgggtactcca cctacaagtt ctacaagttc tacgaggttg tcctgatcga tccattccac 60
89 aaggctatcc gtcgtaaccc agacacccaa tggatcacca agcctagttc acaagcaccg 120
90 tgagcaaaga ggactcacct ctgctggacg caagttcgtg gactcggaag gggattgctt 180
91 ttctctgcta cccgcggagg atcccaacac caaagttttt ccaccgcca accgataaat 240
92 cttgttaatt tattttgttt tgggttt 267
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 292
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98 <213> ORGANISM: Artificial Sequence
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101 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
103 <400> SEQUENCE: 6
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105 tgttggtgtc gtttattccc tgaggtatcc atattccgct tctcccaatc tctaaagata 120
106 tacctgaaaa cgagttgtcg tcgaaatact tgatacatgt tgtcttcac cttggtgatg 180
107 ttgtttcgca aattcttcat actagttatg ataggatttg aatgagctgg cagagtcaa 240
108 ctttgaactc gaatttcaat attttcgtga tcctgcatta agtgaatgaat aa 292
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116 <220> FEATURE:
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121 gattttgatg atttggtcgc cgttttcgaa gaactgaaaa agattaagta atcatcacc 120
122 gacgttccat tccttattaa ctatttgttt ctcttcacc caattttttt ttcacgtgtc 180
123 tttttttgta tcataaatga gacccccaaa aactagctgt ttcttagtgc atacgttaaa 240
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130 <212> TYPE: DNA
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133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe

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138 cgatttaatg gggacaagcc actgaagtgt atgttatttc attcgtaaaa tatgaagatg 120
139 gaggagagtg aatggggatt ttgcttcttt tgcaaatgg cctccctatg tacctgaaaa 180
140 aaaaaaaaaa 189
143 <210> SEQ ID NO: 9
144 <211> LENGTH: 171
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
151 <400> SEQUENCE: 9
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153 aagggatctt gcgaccactg cccaccacca cgcactcccc aggatattaa ttcacttctc 120
154 tctaatttta gtgaatctca ttctaataaa aagccgcccc aaaaaaaaaa a 171
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158 <211> LENGTH: 289
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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166 tttttttttt ttgagcgag cgtttattat ttgagtcgag cttgggttga gtcgtcagct 60
167 gaacatgaag attgacaaag aagacgatca gcagcaacag atgcgcagag tcgcattctt 120
168 tgcggttget gtctcaactg cagccgtcat ttcaagcatc gtgactctcc caatgatcta 180
169 ctcttactct tcaatctttc caatccatt tgatcattgg aaaccgagtt ctgtaaaact 240
170 gtgctcgtga tatgtggtgt cgaagtcttc cacaagtcag gtgtaccct 289
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174 <211> LENGTH: 162
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
181 <400> SEQUENCE: 11
182 ctccaccgca acaagtgttc acgtggaaac aacaacgaaa ggaacatcat ctctatctct 60
183 gctggttttc taatcattgt catttcagct ttaacgctat aatcaacaaa aacagtttat 120
184 tttattttta taaaaattta ttcgtgcaaa aaaaaaaaaa aa 162
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188 <211> LENGTH: 140
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193 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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197 cttacccaaa gtgtacttat taagagtcaa ctgtgaagta tatgagacat ttcagttgcc 120
198 tgcccaaaaa aaaaaaaaaa 140
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 308

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204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
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211 aataaccccg attttttagt ggtccccgca cgttgaccta ctggcgcgtc aggcactccg 120
212 ccgcgacatt cgcgcacacg cctacaatcc acgtgtcaat cgtcagattt gcggatcaat 180
213 aatgggtgatg aaaggtggaa atacgtatat ggatcatgtt caaaggcatc aagctgaaca 240
214 attcgaagag ttgaatcggc gtcgacactt ttgatccaag accgtaagaa atttgaaagc 300
215 tattggtg                                     308
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 238
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
226 <400> SEQUENCE: 14
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228 caactgtcta ttatccattc cgcaatcaca tttcggatgt tctcgaaaag gacttcccaa 120
229 agttattgga gtactgtgaa agagttcgtc atgaagttaa ccaaaggac tttactatgt 180
230 gaattaaatt gtcaaactag tagtcagatc aataaaattt tccgcgcgaa aaaaaaaaa 238
233 <210> SEQ ID NO: 15
234 <211> LENGTH: 324
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236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
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244 gccgcgacat tcgccgacac gcctacaatc cacgtgtcaa tcgtcagatt tgcggatcaa 180
245 taatgggtgat gaaaggtgga aatacgtata tggatcatgt tcaaaggcat caagctgaac 240
246 aattcgaaga gttgaatcgg cgtcgacaac tttttgatcc aagaccgtaa gaaatttgaa 300
247 agctattggt gaaaaaaaaa aaaa                                     324
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260 gcttcaaagc aatttgaaga aactctctgt caccaacatt ccaggaatcg aggaggtcaa 120
261 catgattaag acgatggaac cgttatccac ttcaacaacc caaaagtcta aacctctgtt 180
262 cccagccaat accttctctg tcacaggatc agccgataac aagtcagatc actgaaatgt 240
263 ctcccaggga atgctgaact ggtcagagtc ct                                     272
266 <210> SEQ ID NO: 17
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269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
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276 ggcgttttta gtaccttagg atcgactgac ccacatccaa ctactgttcc acgtggaacc 120
277 cttctccact tcagtcttca aggatcgaac ttgaatatatt gctactacca tacgatctgc 180
278 actgacggaa agtccagccg agcctacctc atagttaa 218
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 238
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
289 <400> SEQUENCE: 18
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292 gacatggaag aatttcaacg gtttaccgat acctttcaac acgggaaaac taccgggttg 180
293 gacaccatta ggactgacag attgaaagtc tttgtcgatt tgggtggttg ttgtgcat 238
296 <210> SEQ ID NO: 19
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307 ctagtatcct gatcgctcat ctatcaaccg tactgtaacc ggtacgactc agggaatccg 180
308 actgtctaataaaaacagag gtgacagatg gtccttgcg acgttaactg tcaactgatt 240
309 ctccccagtg cac 253
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315 <213> ORGANISM: Artificial Sequence
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322 gatgactcac acttctaggc attcctcggt taaggggaata attacaatac ccattcccga 120
323 catggaagaa tttcaacggt ttaccgatac cttttcgga acacgggaaa actcaccggg 180
324 tccggacacc attaggactg acagattgaa agctctttct cgatttggtg gttggtggtg 240
325 catggccggt cttagttggt ggagtaccaa tcaactag 277
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329 <211> LENGTH: 216
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:

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VERIFICATION SUMMARY

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